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Title: A Method and Apparatus for Generation Validation Tests

Inventor: Yount

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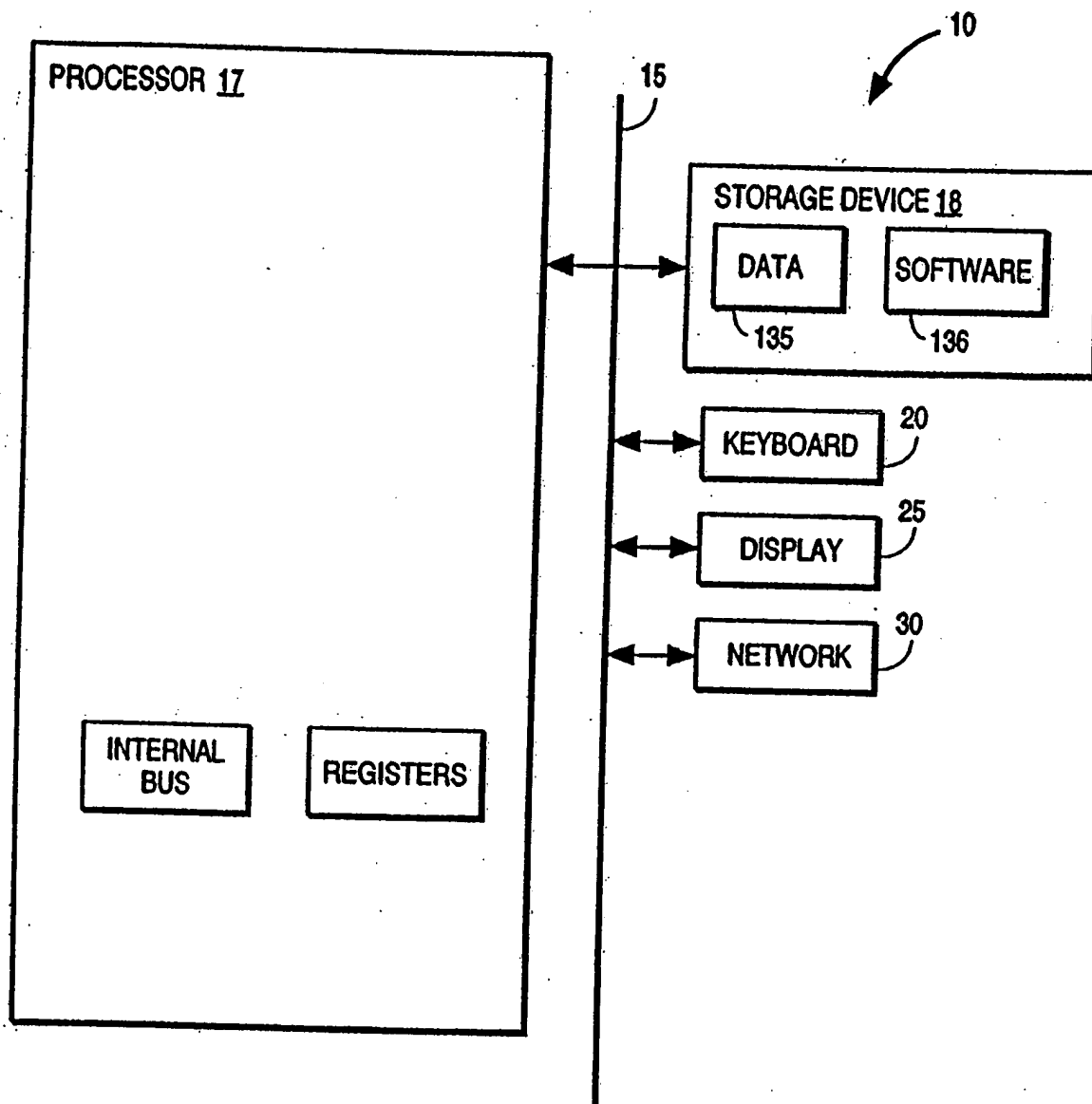


FIG. 1

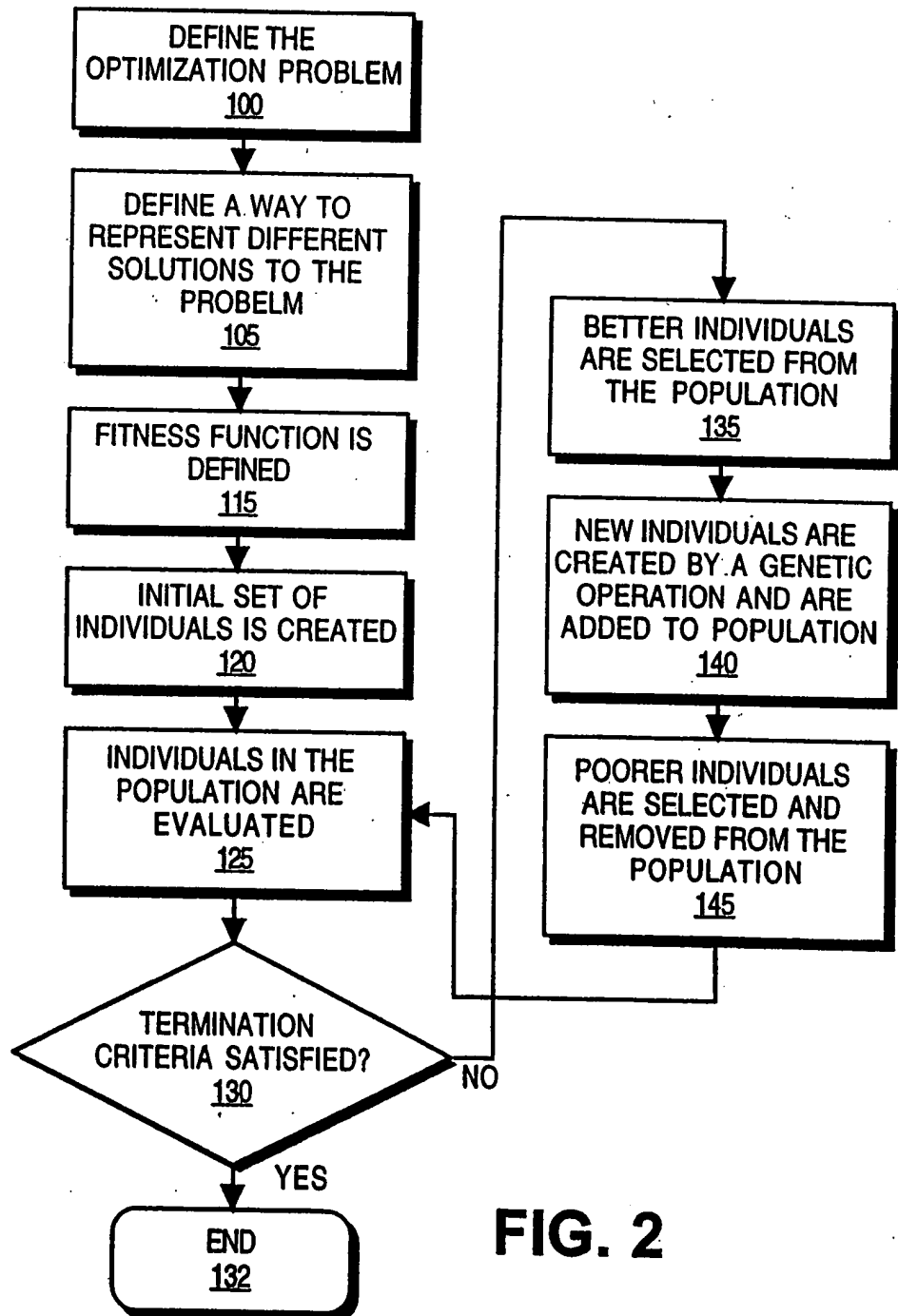
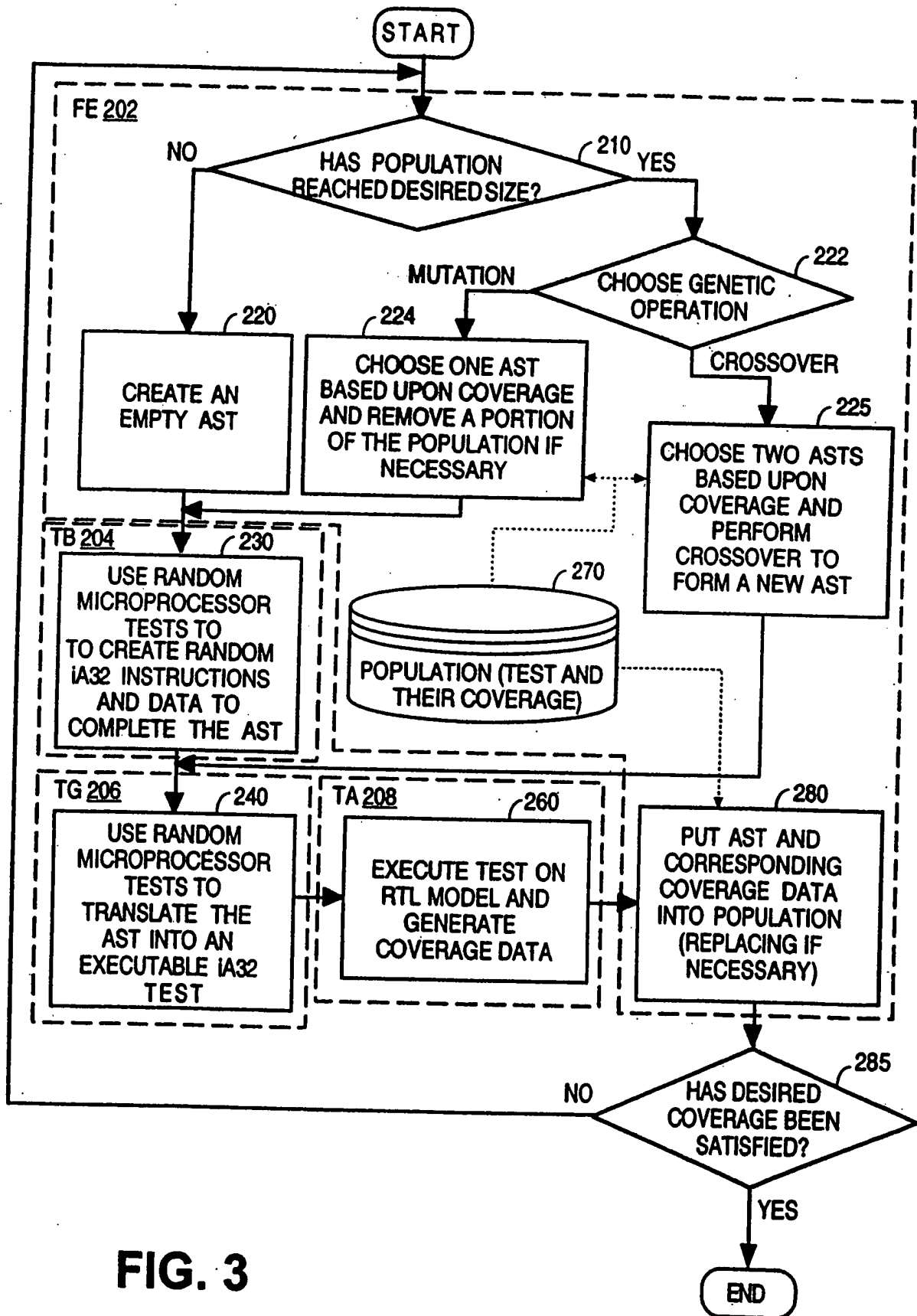


FIG. 2



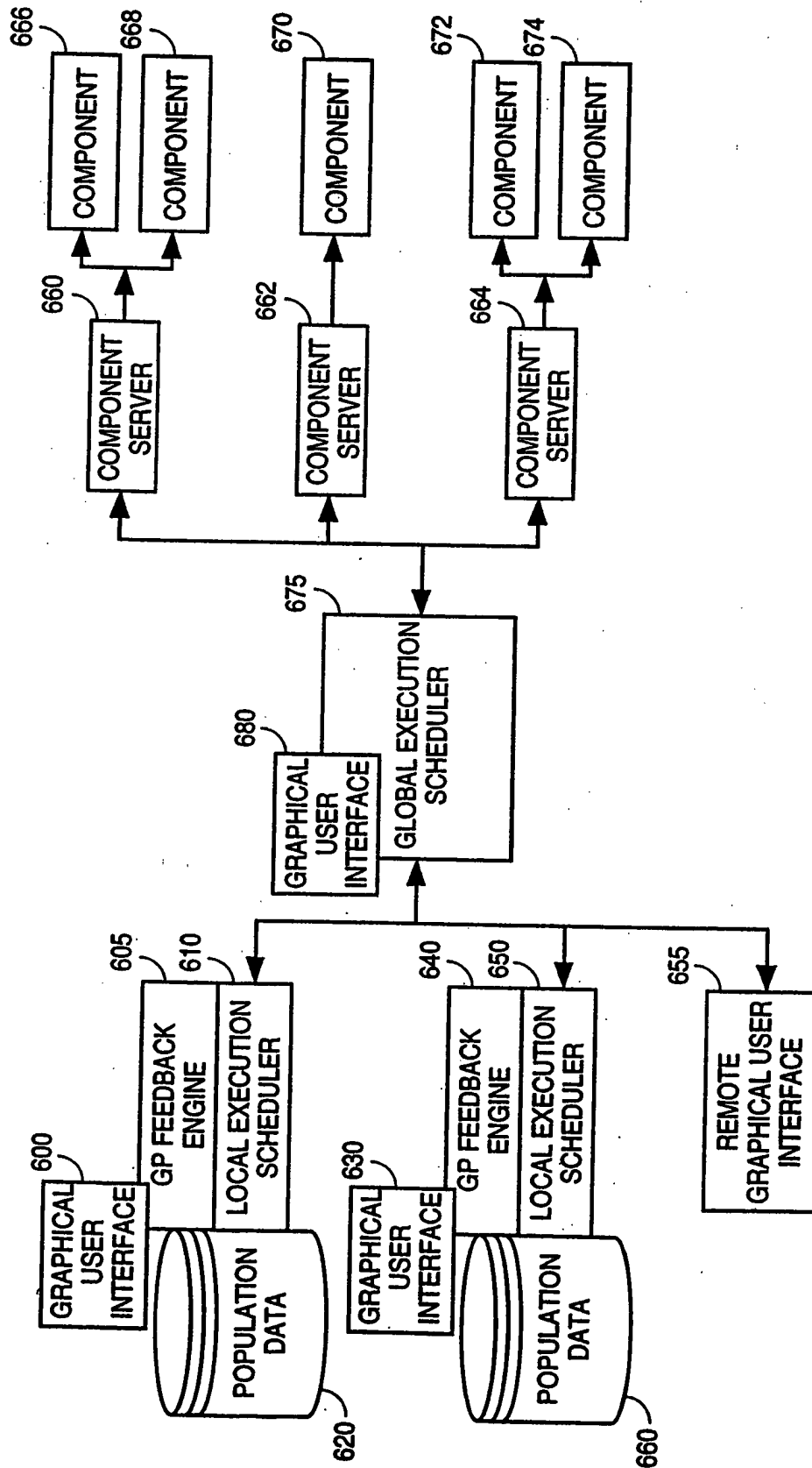


FIG. 4

Prospector@fmmw6216:Main									
File View Tools Help									
Prospector@fmmw6216									
GES Hostname		localhost							
GES Port		1968							
Connection Status		Connected							
Completion Data									
Stage		Waiting		Using		Finished		Rejected	
Genotype Generator		0		171		0		0	
Test Analyzer		4		27		0		139	
Fitness Evaluator		0		27		0		-	
Time Last Test Completed		Mon Dec 27 13:57:21 PST 1999							
Number Analyzed		27							
Population Coverage (%)		4.682							
Total Cycles Ran		179,000							
Test Analyzer Name		Archcov							
System Information									
GES Hostname		localhost							
GES Port		1968							
Connection Status		Connected							
Execution Status		Running							
User Name		cyount							
Architecture		x86							
Operating System		Windows NT 4.0							
Application ID Number		1							
Num Threads		5							
Num Paused Threads		0							
Priority		3							
Desired Queue Depth		4							
Start Time		Mon Dec 27 13:48:16 PST 1999							
Database Name		E:\user_implautoconversion-1.3.0V							
Version		1.3.0							
Prospector@fmmw6216:Detailed Coverage Data									
Coverage Data									
Name	Conditions Hit	Total Conditions	Percentage Hit	Weight Value	Weight (%)				
local	904	19589	4.662	19389	100.000				
integer	409	4093	9.993	4093	21.110				
data transfer	132	950	13.895	950	23.210				
binary arithmetic	40	357	11.204	357	8.722				
decimal arithmetic	9	106	8.491	106	2.590				
logic	79	445	17.753	445	10.872				
bit and byte	11	341	3.226	341	8.331				
control transfer	45	1060	4.245	1060	25.898				
string	58	453	12.804	463	11.068				
flag control	34	288	11.806	288	7.036				
segment register	0	55	0.000	55	1.344				
miscellaneous	1	38	2.632	38	0.928				
floating point	79	5377	1.469	5377	27.732				

Prospector@fmmw6216:System Information									
GES Hostname		localhost							
GES Port		1968							
Connection Status		Connected							
Execution Status		Running							
User Name		cyount							
Architecture		x86							
Operating System		Windows NT 4.0							
Application ID Number		1							
Num Threads		5							
Num Paused Threads		0							
Priority		3							
Desired Queue Depth		4							
Start Time		Mon Dec 27 13:48:16 PST 1999							
Database Name		E:\user_implautoconversion-1.3.0V							
Version		1.3.0							

Prospector@fmmw6216:Last Test Data									
Last Test:		toxjito							
Unique ID		1.382							
Coverage (%)		268							
Conditions Hit		8							
Cycles Ran		38							
Number of Nodes		38							

FIG. 5

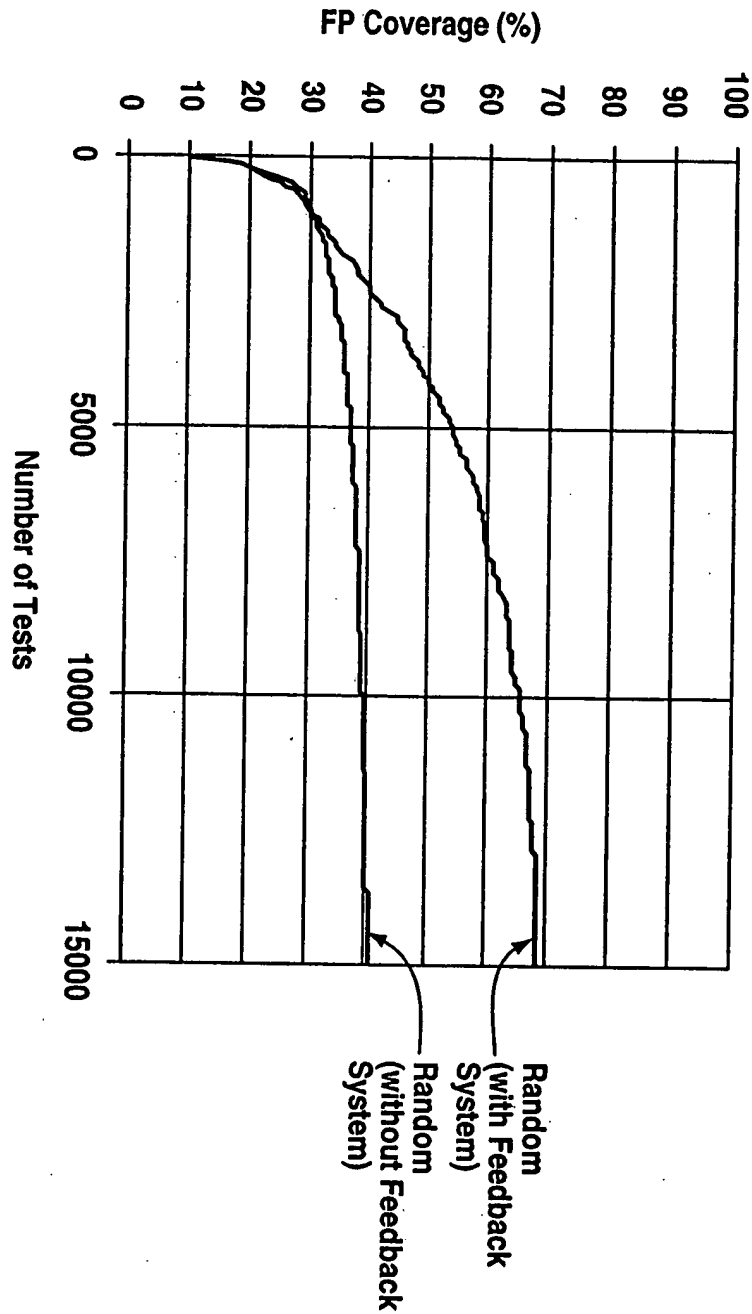


FIG. 6